

Abstract of the Disclosure

[0076] A natural preservative composition obtained from plant materials provides antimicrobial activity for various compositions such as a food composition. The antimicrobial agent is effective in inhibiting the growth of gram-positive *Staphylococcus aureus*, gram-negative *Escherichia coli*, *Salmonella typhimurium*, *Klebsiella pneumoniae*, and *Pseudomonas aeruginosa*, acid-fast bacterium *Mycobacterium smegmatis*, the yeast *Candida albicans*. The antimicrobial agent has a MIC of 3.0 µl/ml capable of inhibiting these organisms. The antimicrobial agent includes mixtures of *Origanum vulgare* L., *Thymus vulgaris* L., *Cinnamomum zeylanicum* Nees, *Rosmarinum officinalis* L., *Lavandula officinalis* L., *Hydrastis canadensis* L. and olive leaf extract. The antimicrobial agent is an effective natural alternative to commonly used synthetic ingredients for product preservation.